PTO/SB/05 (03-01)
Approved for use through 10/31/2002. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to

UTILITY PATENT APPLICATION TRANSMITTAL (Only for new nonprovisional applications under 37 CFR § 1 53(b))

Attorney Docket No. First Inventor		ation unless it displays a valid OMB control number		
		Martin M. Deneroff		
Title		System for Cache Coherence in DSM sor System without Growth of the Sharing		
Express	Maıl Label No.			

A DOLLO ADIONI EL ENCENDO	Assistant Commissioner for Patents							
APPLICATION ELEMENTS See MPEP chapter 600 concerning whity patent application contents	ADDRESS TO: Box Patent Application Washington, DC 20231							
	washington, DC 20231							
 ☐ Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing) 	 7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission 							
2. Applicant claims small entity status.	(if applicable, all necessary)							
See 37 CFR 1.27.	a. Computer Readable Form (CRF)							
3. Specification [Total Pages 29]	b. Specification Sequence Listing on:							
3. Specification [Total Pages 29] (preferred arrangement set forth below)	i. CD-ROM or CD-R (2 copies); or							
- Descriptive title of the Invention	ii. paper							
- Statement Regarding Fed sponsored R & D	c. Statements verifying identity of above copies							
- Reference to sequence listing, a table, or a computer program listing appendix								
- Background of the Invention - Brief Summary of the Invention	ACCOMPANYING APPLICATION PARTS							
- Brief Description of the Drawings (if filed) - Detailed Description								
- Claim(s)	9. Assignment Papers (cover sheet & document(s))							
- Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure Drawing(s) (35 U.S.C. 113) [Total Sheets 7]	10.							
$_{5}^{\text{F}}$. Oath or Declaration [Total Pages]	11. English Translation Document (if applicable)							
a. Newly executed (original or copy)	12. Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations							
b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) i. DELETION OF INVENTOR(S)	13. Preliminary Amendment							
i. DELETION OF INVENTOR(S)	14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)							
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR §§ 1.63(d)(2) and 1.33(b).	15. Certified Copy of Priority Document(s) (if foreign priority is claimed)							
6. 🔀 Application Data Sheet. See 37 CFR 1.76.	16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach							
	form PTO/SB/35 or its equivalent Other: Authorization under 37 C.F.R. § 1.136(a)(3)							
	17.							
	Other: The name of the assignee is: Silicon Graphics, Inc.							
18. If a CONTINUING APPLICATION, check appropriate box, and super in an Application Data Sheet under 37 CFR 1 76.	oply the requisite information below and in a preliminary amendment,							
☐ Continuation ☐ Divisional ☐ Continuation-in-Part (Cl Prior application information Examiner								
For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only lead to the disclosure of the accompanying continuation or divisional application parts.								
19. CORRESPONDENCE ADDRESS								
Customer Number or Bar Code Label								
Customer No. 26111 (Insert Customer No. 2614)	II IIII III III III Ahri code lahèl here)							
NAME STERNE, KESSLER, GOLDSTEIN & FOX P.LL.C. PATENT TRADET	(ANY OFFICE							
PATENT TRADEMARK OFFICE Attorneys at Law								
ADDRESS								
CITY STATE	ZIP CODE							
COUNTRY TELEPHONE	FAX							
NAME (Print/Type) Patrick E. Garrett Registration No. (Attorney/Agent) 39,987								
SIGNATURE TOX 2'Land	Date 2/28/02							



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February 28, 2002

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Commissioner for Patents Washington, D.C. 20231

Box Patent Application

Re:

U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)

Appl. No. To be Assigned; Filed: Herewith

For:

Method and System for Cache Coherence in DSM Multiprocessor

System without Growth of the Sharing Vector

Inventor:

DENEROFF, Martin M.

Our Ref:

1257.00

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

- 1. PTO Fee Transmittal (Form PTO/SB/17);
- 2. PTO Utility Patent Application Transmittal (Form PTO/SB/05);
- 3. U.S. Utility Patent Application entitled:

Method and System for Cache Coherence in DSM Multiprocessor System without Growth of the Sharing Vector

and naming as inventor:

DENEROFF, Martin M.

the application consisting of:

Sterne, Kessler, Goldstein & Fox PLLC: 1100 New York Avenue, NW: Washington, DC 20005: 202.371.2600 f 202.371.2540: www.skgf.com

Commissioner for Patents February 28, 2002 Page 2

		1.01	
a.	Α	specification	containing

- i. <u>17</u> pages of description prior to the claims;
- ii. <u>11</u> pages of claims (<u>41</u> claims);
- iii. a one (1) page abstract;
- b. 7_sheet(s) of drawings: (Figures 1, 2, 3, 4, 5A, 5B, and 6);
- c. A facsimile copy of an original executed Declaration;
- d. An Application Data Sheet (37 C.F.R. § 1.76);
- 4. Authorization to Treat a Reply As Incorporating An Extension of Time Under 37 C.F.R. § 1.136(a)(3);
- 5. Recordation Form Cover Sheet;
- 6. A facsimile copy of an original executed Assignment to <u>Silicon Graphics</u>, Inc., recordation of which is hereby respectfully requested;
- 7. Three (3) return postcards; and
- 8. Our check No. <u>34362</u> for \$ <u>1578.00</u> to cover:
 - \$ <u>740.00</u> Filing fee for patent application;
 - \$ 40.00 Assignment recordation fee; and
 - \$ 798.00 Fee for excess claims.

The name of the assignee Silicon Graphics, Inc.

Correspondence should be sent to Customer Number 26111.

It is respectfully requested that, of the three attached postcards, two be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible.

Commissioner for Patents February 28, 2002 Page 3

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Patrick E. Garrett

Attorney for Applicant Registration No. 39,987

PEG/BAM/ayd Enclosures

P:\USERS\ADORR\1452\1452 373 Cover Letter SKGF Rev. 2/12/02 dcw Under the Paperwork Reduction Act of 1995, no persons are required to re

FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

espond to a collection of information	unless it displays a valid OMB control number				
Complete if Known					
Application Number	To be Assigned				
Filing Date	Herewith Martin M. Deneroff				
First Named Inventor					
Examiner Name	To be Assigned				
Group Art Unit	To be Assigned				
Attorney Docket No.	1257.00 (1452.373000/PEG/BAM)				

METHOD OF PAYMENT (check one)	FEE CALCULATION (continued)					
		TIONAL		Y		
1. The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to:		Entity		Entity		
Deposit Account Number 19-0036	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee paid
Deposit Account Name Sterne, Kessler, Goldstein & Fox P L L.C	105	130	205	65	Surcharge - late filing fee or oath	
		50	227	25	Surcharge - late provisional filing fee or cover sheet	
Charge Any Additional Fee Required Under 37 CFR §§ 1 16 and 1 17		130	139	130	Non-English specification	
		2,520	147	2,520	For filing a request for ex parte reexamination	
Applicant claims small entity status See 37 CFR 1.27		920*	112	920*	Requesting publication of SIR prior to Examiner action	
\$5 ⁻⁷⁸	113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
2. Payment Enclosed: A Check		110	215	55	Extension for reply within first month	
FEE CALCULATION	116	400	216	200	Extension for reply within second month	
1.* BASIC FILING FEE	117	920	217	460	Extension for reply within third month	
Large Entity Small Entity	118	1,440	218	720	Extension for reply within fourth month	
Fee Fee Fee Fee Description Fee Paid	128	1,960	228	980	Extension for reply within fifth month	
	119	320	219	160	Notice of Appeal	
101 740 201 370 Utility filing fee 740 00 106 330 206 165 Design filing fee	120	320	220	160	Filing a brief in support of an appeal	
197 510 207 255 Plant filing fee	121	280	221	140	Request for oral hearing	
108 740 208 370 Reissue filing fee	138	1,510	138	1,510	Petition to institute a public use proceeding	
114 160 214 80 Provisional filing fee	140	•	240	55	Petition to revive - unavoidable	
-	141	1,280	241	640	Petition to revive - unintentional	
SUBTOTAL (1) (\$) 740.00	142	1,280	242	640	Utility Issue fee (or reissue)	
	143	460	243	230	Design issue fee	
	144	620	244	310	Plant issue fee	
	122	130	122	130	Petitions to the Commissioner	
2. EXTRA CLAIM FEES Fee from Extra below Fee Paid	123	130	123	130	Petitions related to provisional applications	
	126	180	126	180	Submission of Information Disclosure Stmt	
Total Claims 41 - 20** = 21 X 18 = 378 00 Indep. Claims 8 - 3** = 5 X 84 = 420 00	581	40	481	40	Recording each patent assignment per property (times number of properties)	40.00
Multiple Dependent <u>0</u> =	146	740	246	370		
Large Entity Small Entity Fee Fee Fee Fee Fee Description	149	740	249	370	For each additional invention to be examined (37 CFR 1 129(b))	
Code (\$) 103 18 203 9 Claims in excess of 20	179	740	279	370	Request for Continued Examination (RCE)	
102 84 202 42 Independent claims in excess of 3	169	900	169	900	Request for expedited examination of a design application	
108 84 209 42 **Reissue independent claims over original	Other fee	e (specify) :				
110 18 210 9 patent patent nexcess of 20 and over original patent	Other fee (specify):					
SUBTOTAL (2) (\$) 798.00	*Reduce	*Reduced by Basic Filing Fee Paid				L
** or number previously paid, if greater; For Reissues, see above	<u>.l</u>	·			SUBTOTAL (3) (\$) 40.00	(a)
SUBMITTED BY					Complete (if applicab	·
Name (Print/Type) Patrick E Garrett		R	legistratio Attorney/Agei	n No.	39,987 Telephone 202	-371-2600 /
Signature 2 2					Date 2	28/02